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<b>UTILITY</b>  <b>PATENT APPLICATION</b>  <b>TRANSMITTAL</b>  (Only for new nonprovisional applications under CFR 1.53(b))	Attorney Docket No.	<b>ZAHFRI P533US</b>
	First Named Inventor or Appln Identified: <b>Eberhard BIERMANN et al.</b>	
	Title: <b>SHIFTING ELEMENT SYSTEM</b>	
	Express Mail Label No.	<b>EV 330996123 US</b>

2241 U.S. PTO  
10/6/5219  
08/21/03

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent appln. contents.	<b>ADDRESS TO:</b> <b>Assistant Commissioner for Patents</b> <b>Box Patent Application</b> <b>P. O. Box 1450</b> <b>Alexandria, VA 22313-1450</b>
<div><div><div>1. <input checked="" type="checkbox"/> Fee Transmittal Form (submit an original, and a duplicate for fee processing)</div><div>2. <input type="checkbox"/> Applicant claims small entity status (see 37 CFR 1.27.)</div><div>3. <input checked="" type="checkbox"/> Specification (Total Pages) [ 16 ] (preferred arrangement set forth below)<ul style="list-style-type: none"><li>• Descriptive title of the invention</li><li>• Cross References to Related Applications</li><li>• Statement Regarding Fed sponsored R &amp; D</li><li>• Reference to Microfiche Appendix</li><li>• Background of the Invention</li><li>• Brief Summary of the Invention</li><li>• Brief Description of the Drawings (if filed)</li><li>• Detailed Description</li><li>• Claim(s)</li><li>• Abstract of the Disclosure</li></ul></div><div>4. <input checked="" type="checkbox"/> Drawings (35 USC 113) (Total Pages) [ 1 ]</div><div>4a. <input checked="" type="checkbox"/> Submission of Formal Drawings (Total Pages) [ 1 ]</div><div>5. <input checked="" type="checkbox"/> Oath or Declaration (Total Pages) [ 3 ]<div>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</div><div>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)<div>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</div></div></div></div><div>6. <input type="checkbox"/> Application Data Sheet (see 37 CFR).</div><div>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</div><div>8. <input type="checkbox"/> Nucleotide an/or Amino Acid Sequence Submission (if applicable, all necessary)<div>a. <input type="checkbox"/> Computer Readable Form (CRF)</div><div>b. <input type="checkbox"/> Specification Sequence Listing on:<div>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</div><div>ii. <input type="checkbox"/> paper</div></div><div>c. <input type="checkbox"/> Statements verifying identity of above copies</div></div></div>	

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))

10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☒ Information Disclosure ☒ Copies of IDS  
Statement (IDS)/PTO-1449 ☒ Citations

13. ☒ Preliminary Amendment-8 pgs.

14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16. ☒ Other: Express Mail Certificate  
Submission of Certified Copy-1 pg.;

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No.: \_\_\_\_/  
Prior application information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

For **CONTINUATION OR DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS**

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020210

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Name: **Michael J. Bujold**  
Signature: 

Registration No.: **32,018**  
Date: **August 21, 2003**

08/21/03

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Eberhard BIERMANN and Peter TIESLER  
Serial no. :  
For : SHIFTING ELEMENT SYSTEM  
Docket : ZAHFRI P533US

MAIL STOP PATENT APPLICATION  
The Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

"Express Mail" label number: **EV 330996123 US**

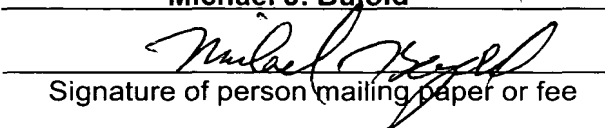
Date of Deposit: **August 21, 2003**

I hereby state that the following attached paper or fee:

**Check for \$826;**  
**Patent Application Transmittal-1 pg.;**  
**Fee Transmittal Ltr (+Dupl)-1 pg.;**  
**Specification/Claims/Abstract-16 pgs.;**  
**Submission of Formal Drawing-1 pg.;**  
**Drawings (Fig. 1)-1 pg.;**  
**Declaration & Power of Atty-3 pgs.;**  
**Assignment & Cover-2 pgs.;**  
**Information Disclosure Statement-1pg.;**  
**PTO Form 1449-1 pg.; 3 Citations;**  
**Preliminary Amendment-8 pgs.;**  
**Submission of Certified Copy-1 pg.;**  
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**Michael J. Bujold**

  
Signature of person mailing paper or fee

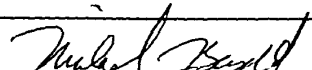
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FEE TRANSMITTAL		Complete if Known																																																																																																																																																																																	
<p style="text-align: center;">for FY 2003</p> <p style="text-align: center;">Patent fees are subject to annual revision</p> <p style="text-align: center;"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>		<p>Application No.</p> <p>Filing Date</p> <p>First Named Inventor</p> <p>Examiner Name</p> <p>Group Art Unit</p>		<p>Eberhard BIERMANN et al.</p>																																																																																																																																																																															
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<p><input checked="" type="checkbox"/> Check   <input type="checkbox"/> Credit card   <input type="checkbox"/> Money Order   <input type="checkbox"/> Other   <input type="checkbox"/> None</p> <p><input checked="" type="checkbox"/> Deposit Account:</p> <p>Deposit Account Number: 04-0213</p> <p>Deposit Account Name: DAVIS &amp; BUJOLD, P.L.L.C.</p>			<p><b>3. ADDITIONAL FEES</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Fee Code</th> <th style="text-align: left;">Entity Fee (\$)</th> <th style="text-align: left;">Small Fee Code</th> <th style="text-align: left;">Entity Fee (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: left;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge-late filing fee/oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for re-examination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Ext.for reply w/in 1 mon</td> <td></td> </tr> <tr> <td>1252</td> <td>410</td> <td>2252</td> <td>205</td> <td>Ext.for reply w/in 2 mon</td> <td></td> </tr> <tr> <td>1253</td> <td>930</td> <td>2253</td> <td>465</td> <td>Ext.for reply w/in 3 mon</td> <td></td> </tr> <tr> <td>1254</td> <td>1,450</td> <td>2254</td> <td>725</td> <td>Ext.for reply w/in 4 mon</td> <td></td> </tr> <tr> <td>1255</td> <td>1,970</td> <td>2255</td> <td>985</td> <td>Ext.for reply w/in 5 mon</td> <td></td> </tr> <tr> <td>1401</td> <td>320</td> <td>2401</td> <td>160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>320</td> <td>2402</td> <td>160</td> <td>Filing a Brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>280</td> <td>2403</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,300</td> <td>2453</td> <td>650</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,300</td> <td>2501</td> <td>650</td> <td>Utility issue fee (for reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>470</td> <td>2502</td> <td>235</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>630</td> <td>2503</td> <td>315</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Petition related to provisional applns.</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Info.Disclo.Stmt.</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording ea. patent assignment per property (times No.of properties)</td> <td>\$40</td> </tr> <tr> <td>1809</td> <td>750</td> <td>2809</td> <td>375</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>750</td> <td>2810</td> <td>375</td> <td>For ea.additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>750</td> <td>2801</td> <td>375</td> <td>Request for Cont.Exam. 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		Extra	Fee From Below	Fee Paid																																																																																																																																																																															
Total Claims	22 - 20*	=	\$18 (\$9)	x 2 = \$36																																																																																																																																																																															
Ind. Claims	1 - 3	=	\$84 (\$42)	x = -0-																																																																																																																																																																															
Mult.Ind.Claims		=	\$280 (\$140)	x =																																																																																																																																																																															
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description																																																																																																																																																																															
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																															
1201	84	2201	42	Independent claims in excess of 3																																																																																																																																																																															
1203	280	2203	140	Multiple dependent claim																																																																																																																																																																															
1204	84	2204	42	**Reissue independent claims over original patent																																																																																																																																																																															
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent																																																																																																																																																																															
SUBTOTAL (2)					\$36																																																																																																																																																																														
<p>** or number previously paid, if greater; For Reissues, see above</p>			<p>Other fee (specify)</p> <p>*Reduced by Basic Filing Fee Paid</p> <p style="text-align: right;">SUBTOTAL (3)   \$40</p>																																																																																																																																																																																
SUBMITTED BY			Completed (if applicable)																																																																																																																																																																																
Typed or Printed Name	Michael J. Bujold		Registration Number	32,018	Telephone No. (603) 624-9220																																																																																																																																																																														
Signature			Date: August 21, 2003	Deposit Account User ID	04-0213																																																																																																																																																																														